Form PTO 948 (Rev. 8-98)   U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office   Application No. 9/456,334

NOTICE OF DRAFTSPERSON'S
PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 7-18-00 are:
A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
B. ☑ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be sumitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
   Black ink. Color.
   ___ Color drawings are not acceptable until petition is granted.
      Fig(s) ___
   ___ Pencil and non black ink not permitted. Fig(s) ___
2. PHOTOGRAPHS. 37 CFR 1.84 (b)
   ___ 1 full-tone set is required. Fig(s) ___
   ___ Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) ___
   ___ Poor quality (half-tone). Fig(s) ___
3. TYPE OF PAPER. 37 CFR 1.84(e)
   ___ Paper not flexible, strong, white, and durable. Fig(s) ___
   ___ Erasures, alterations, overwritings, interlineations,
   ___ folds, copy machine marks not accepted. Fig(s) ___
   ___ Mylar, velum paper is not acceptable (too thin). Fig(s) ___
4. SIZE OF PAPER. 37 CFR 1.84(f). Acceptable sizes:
   ___ 21.0 cm by 29.7 cm (DIN size A4)
   ___ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
   ___ All drawing sheets not the same size. Sheet(s) ___
   ___ Drawings sheets not an acceptable size. Fig(s) ___
5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
   Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
      SIZE: A4 Size ___
   ___ Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
      SIZE: 8 1/2 x 11
   ___ Margins not acceptable. Fig(s) ___
      ___ Top (T) ___ Left (L) ___
      ___ Right (R) ___ Bottom (B) ___
6. VIEWS. 37 CFR 1.84(h)
   REMINDER: Specification may require revision to correspond to drawing changes.
   ___ Partial views. 37 CFR 1.84(h)(2)
   ___ Brackets needed to show figure as one entity.
      Fig(s) ___
   ___ Views not labeled separately or properly.
      Fig(s) ___
   ___ Enlarged view not labeled seperately or properly.
      Fig(s) ___
7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
   ___ Hatching not indicated for sectional portions of an object.
      Fig(s) ___
   ___ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) ___

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
   ___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) ___
9. SCALE. 37 CFR 1.84(k)
   ___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.
      Fig(s) ___
10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
   ___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).
      Fig(s) ___
11. SHADING. 37 CFR 1.84(m)
   ___ Solid black areas pale. Fig(s) ___
   ___ Solid black shading not permitted. Fig(s) ___
   ___ Shade lines; pale, rough and blurred. Fig(s) ___
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
   37 CFR 1.84(p)
   ___ Numbers and reference characters not plain and legible.
      Fig(s) 4 - 1
   ___ Figure legends are poor. Fig(s) ___
   ___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) ___
   ___ English alphabet not used. 37 CFR 1.84(p)(2)
      Fig(s) ___
   ___ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3)
      Fig(s) ___
13. LEAD LINES. 37 CFR 1.84(q)
   ___ Lead lines cross each other. Fig(s) ___
   ___ Lead lines missing. Fig(s) ___
14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
   ___ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) ___
15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
   ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) ___
16. CORRECTIONS. 37 CFR 1.84(w)
   ___ Corrections not made from prior PTO-948 dated ___
17. DESIGN DRAWINGS. 37 CFR 1.152
   ___ Surface shading shown not appropriate. Fig(s) ___
   ___ Solid black shading not used for color contrast. Fig(s) ___

COMMENTS

REVIEWER JC   DATE 8-25-00 TELEPHONE NO. 703 305 8430

ATTACHMENT TO PAPER NO. 11